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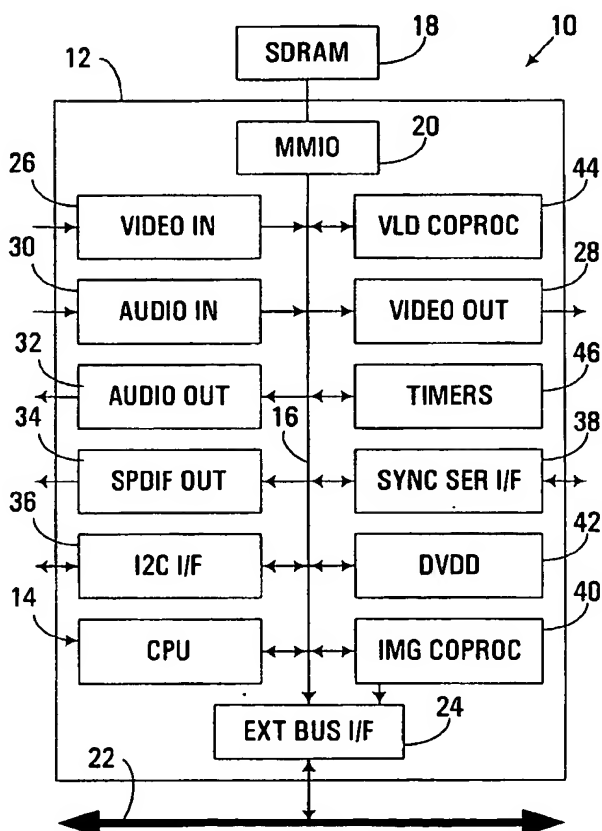
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- (21) International Application Number: **PCT/IB2003/005611** (72) Inventors; and (75) Inventors/Applicants (for US only): **TERECHKO, Andrei** [NL/US]; 1109 McKay Drive, M/S-41SJ, San Jose, CA 95131 (US). **GARG, Manish** [NL/US]; 1109 McKay Drive, M/S-41SJ, San Jose, CA 95131 (US).
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- (71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL). (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,

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(54) Title: SOFTWARE-BASED CONTROL OF MICROPROCESSOR POWER DISSIPATION



(57) Abstract: A circuit arrangement, method of executing program code and method of generating program code utilize power control instructions (90) capable of dynamically controlling power dissipation of multiple hardware resources (50-60) during execution of a program by a processor (14). Moreover, a processor (14) configured to process such power control instructions (90) is capable of maintaining the power modes of the multiple hardware resources (50-60) to that specified in an earlier-processed power control instruction (90), such that subsequently-processed instructions (90) will be processed while the power modes of the multiple hardware resources (50-60) are set to that specified by the earlier-processed power control instruction (90).



MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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**Declaration under Rule 4.17:**

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*KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)*

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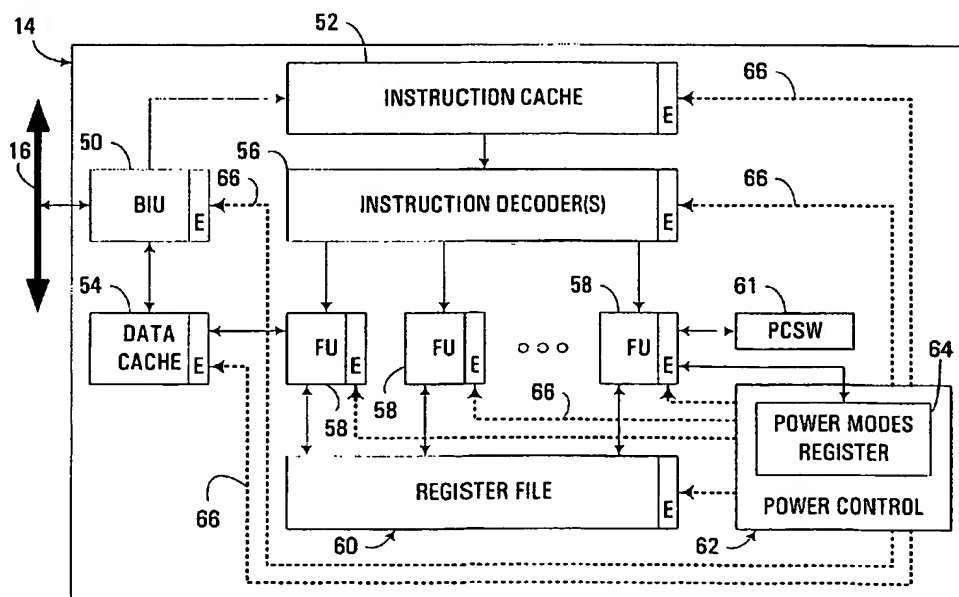
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